

REMARKS/ARGUMENTS

The finality of the previous office action has been withdrawn. Claims 1 to 3, 7, and 8 were rejected under 35 U.S.C. § 103 (a) as being unpatentable over Menet et al. (USPAP 2002/0106444) in view of Werner et al. (DE 19650125). Claims 4 to 6 were objected to, but were indicated as being allowable if rewritten in independent form.

Claims 14 and 15 have been added.

With respect to the interview summary, the applicant agrees with the interview summary and it is assumed no further statement is required.

Reconsideration of the application is respectfully requested.

Claim Objections:

Claims 4 to 6 were objected to, but were indicated as being allowable if rewritten in independent form.

In light of the comments below, withdrawal of the objections to claims 4 to 6 is respectfully requested.

Rejections under 35 U.S.C. § 103 (a)

Claims 1 to 3, 7, and 8 were rejected under 35 U.S.C. § 103 (a) as being unpatentable over Menet et al. (USPAP 2002/0106444) in view of Werner et al. (DE 19650125).

Menet discloses a device for applying a release agent to rolls for casting continuous metal strips. Before entering the rolls, the metal is in liquid state and the rolls cool it into a sold state. See [0028]. A dilution of a release agent is applied to the rolls to prevent sticking. See [0035].

Werner (DE 19650125) discloses a method and device for supplying a printing paste to carpets.

Claim 1 recites a cooling roll stand comprising:

a device for applying a liquid mixture of a silicone oil concentrate and at least water to a web-shaped printing material, the device having:

a reservoir for the silicone oil concentrate,

a supply source for the water,

a mixing tank for the silicone oil concentrate and the water,

an applicator for transferring the liquid mixture onto the printing material, the applicator having at least one container for the liquid mixture, and a buffer tank for the silicone oil concentrate separated from the mixing tank, the buffer tank receiving the silicone oil concentrate from the reservoir; and a cooling roll for the web-shaped printing material.

Menet does not disclose supplying any mixture to “a web shaped-printing material” as claimed, but rather supplying a diluted release agent which is contacted by a liquid metal. The casting device of Menet is a completely different field than the printing field of the present invention, and it is respectfully submitted that one could not print the liquid metal of Menet.

In addition, it is respectfully submitted that one of skill in the art would not have combined the textile printing teachings of Werner to the Menet device to result in the present claimed invention. Werner teaches about printing textiles and discusses how to dose dyes. Any teachings about printed webs of material, buffers or other mixing relates to dyes and textiles, and not to a release agents and liquid metal casting as used in Menet. It is respectfully submitted that one of skill in the art would not have used the dyes or the dye related dilution in Werner to dilute the release agents in Menet.

In addition, neither Menet nor Werner teach or show “a buffer tank for the silicone oil concentrate separated from the mixing tank, the buffer tank receiving the silicone oil concentrate from the reservoir” as Werner relates to dyes. Also, Menet teaches away from using a separate buffer tank, as it specifically states that if a buffer tank is to be used, it is to be used to replace the mixer, not in addition to the mixer. See [0045] of Menet: “Said mixer may be ...a buffer tank.”

Withdrawal of the rejections to claims 1 to 3, 7, and 8 is respectfully requested.

New Claims

New claims 14 and 15 find support at Fig. 1 and [0051] for example and are respectfully submitted as patentable.

CONCLUSION

The present application is respectfully submitted as being in condition for allowance and applicants respectfully request such action.

Respectfully submitted,
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